



## VERSION 3.2F SOFTWARE RELEASE ADDENDUM

This release provides minor enhancements and corrects errors appearing in release 3.2(e) and prior releases.

Changes which require modifications to the operator documentation are as follow:

- The /EX: (Exclude) parameter provided with TBACKUP has been extended to allow exclusion of matching files in subdirectories of a specified directory by inserting a /S subparameter between the specification of the disk, path and/or filename to be excluded and the semicolon following this specification. A semicolon must follow the /S when used in this context; otherwise, the command parsing logic will apply the /S specification to the overall backup operation, not the exclusion.
- The /EX: (Exclude) parameter and the /S subparameter as described above and in the TBACKUP documentation has been added to the TRESTORE program. This allows files, directories and subdirectories to be excluded from a restore.

The parsing and validation logic used by this parameter is identical to that used by TBACKUP, and the requirement that a path exist on the specified or default disk drive remains. Thus, in order for a directory to be named to be excluded from the restore, the named directory must exist. In normal operation, this is not a problem, as this parameter is used to avoid rewriting over system files or directories which are not to be disturbed. On a restore operation to a new disk drive, however, if directories are to be omitted from the restoration, they must be first created on the object disk to satisfy the parsing and validation logic of this program, and may then be removed after the restore has been completed.

This capability is a handy alternative to the /P parameter to avoid rewriting over the IBMBIO.COM and IBMDOS.COM files when restoring the root directory of a bootable disk, and to avoid writing over system files isolated to a known directory when upgrading the operating system.

- A new parameter, /RESUME (Resume from Current Position) has been added to the TRESTORE program. This parameter may be used (typically in conjunction with the TPOS program) to allow the restore operation to continue from the current physical position of the tape instead of the physical beginning of tape. The restore does require, however, that the tape be positioned immediately following a file mark and before the file label of the first file to be restored. This parameter may be used to allow recovery of data in situations where the tape has corrupted or unreadable sections, or when a TRESTORE has halted on an error or was aborted by the operator, the user knows where he wishes to reposition the tape and does not wish to restart the entire restoration from the beginning.

(OVER)

- A new parameter, /NT (No Truncation) has been added to the DT program to inhibit the truncation of trailing blanks when reading from tape and writing to disk in conjunction with the /CR (Carriage Return Processing) option.

Various minor changes have been made to the function of the following utility programs:

- SCRATCH has been modified to display when scratching data to avoid confusion. With the prior version, the software displayed when it was rewinding tape, and left just the rewinding message being displayed while the actual scratch was being processed. The rewind message is displayed again after the scratch operation, when the tape is rewound after a scratch.
- The TDUMP program now returns an error when instructed to dump with a display width of zero, instead of dumping garbage to the screen.
- The FREE program has been modified to release the memory block(s) allocated to the BPS and/or TDS TSR routines by the system. (These blocks contain the environment information for the TSR). This allows complete removal of all allocated memory, avoiding possible memory fragmentation.
- The TINSTALL program has been modified to request at least one character (instead of zero) of input in situations where the only input expected is a carriage return to continue to the next prompt. Some not-so-compatible ROM BIOSes malfunctioned when DOS requested an input of zero bytes and skipped the request.